

ABSTRACT OF THE DISCLOSURE

A material feed apparatus 34 for influencing the travel properties of a feed stream of material 42 moving between a pulverizer 14 and a furnace 12 includes a feed path 36 passing through an upstream passage periphery UPZ. The feed path 36 includes one duct 44A having a branch entry 66A and another branch duct 44C having a branch entry 66C both downstream of the upstream passage periphery UPZ through which the feed stream of the material 42 travels in two segregated portions. A Y-axis drive assembly 58 and the X-axis drive assembly 62 move the nozzle 52 relative to the reference axis RA, whereupon the upstream passage periphery UPZ moves relative to the reference axis RA such that the travel properties of the one portion of material in the one branch duct 44A are different than its travel properties before the movement of the upstream passage periphery UPZ.